31. (New) The method of claim 30 wherein the outer cover layer has a hardness from about 50 to about 60 shore D.

32. (New) The method of claim 28 wherein the inner cover layer has a flexural modulus of about 65,000 psi or more.

33. (New) The method of claim 32 wherein the inner cover layer has a hardness from about 65 to about 74 shore D.

34. (New) The method of claim 33 wherein the inner cover layer has a hardness from about 68 to about 72 shore D.

35. (New) The method of claim 28 wherein the outer diameter of the inner cover layer is from about 1.6 to about 1.63 inches.

36. (New) The method of claim 35 wherein the outer diameter of the inner cover layer is from about 1.62 to about 1.63 inches.

37. (New) The method of claim 28 wherein the solid core comprises:

a solid center made from a first rubber based material;

a solid outer layer made from a second rubber based material having different physical properties from said first rubber based material.

38. (New) The method of claim 37 wherein the center has an outer diameter from about 0.75 to about 1.3 inches.

39. (New) The method of claim 38 wherein the center has an outer diameter from about 1 to about 1.15 inches.

40. (New) The method of claim 37 wherein the outer diameter of the core outer layer is from about 1.55 to about 1.58 inches.

41. (New) The method of claim 37 wherein the core outer layer has a first crosslinking agent in an amount from about 20 to about 40 parts per hundred of rubber.

42. (New) The method of claim 41 wherein the amount of first crosslinking agent in the core outer layer is from about 30 to about 38 parts per hundred of rubber.

43. (New) The method of claim 41 wherein the core outer layer has from about 10 to about 17 parts of balata per hundred parts of rubber.

44. (New) The method of claim 37 wherein the center has a second crosslinking agent in an amount from about 15 to about 25 parts per hundred of rubber.

45. (New) The method of claim 44 wherein the amount of second crosslinking agent in the center is from about 19 to about 25 parts per hundred of rubber.

46. (New) A method of forming a golf ball comprising the steps of:

forming a core comprising:

a solid center made from a first rubber based material;

a solid outer layer made from a second rubber based material having different physical properties from said first rubber based material;

forming an inner cover layer made from a material having a first shore D hardness from about 65 to about 74 shore D and having an outer diameter of at least 1.6 inches;

casting an outer cover layer made from a material having a second shore D hardness less than the first.

47. (New) The method of claim 46 wherein the outer cover layer has a hardness of from about 30 to about 60 shore D.

48. (New) The method of claim 47 wherein the inner cover layer material has a hardness from about 68 to about 72 shore D.